



School of Planning and Architecture: Vijayawada

(An institution of National Importance under the Ministry of Human Resource Development, Govt. of India)
S.No. 71/1, NH-5, Nidamanuru, Vijayawada – 521 104, Andhra Pradesh, India

F.No. 3/SPAV/Stores/F.A./2017-18

Date:08.02.2018

Sub: Limited Tender Enquiry for supply of "**Reverse Osmosis(R.O.) Plant**" - Reg.

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School of Planning and Architecture-Vijayawada **invites 'Sealed Bid'** from the **reputed manufacturers/distributors/authorized dealer/agents for supply of "Reverse Osmosis (R.O.) Plant"**. Detailed terms and conditions and specification of items required are enclosed in annexure I, II, III&IV.

The quotations should be in the company letterhead indicating address of supplier, company contact numbers, emails and contact person name.

Quotations should be inclusive of taxes and all types of charges and should be signed by company signatory and stamped with company seal.

Quotations should reach by 5 PM of 16.02.2018 at SPA-Vijayawada, Nidamanuru Campus by post or by email at registrar@spav.ac.in, asst.registrar1@spav.ac.in, it@spav.ac.in.

-s/d-

Registrar I/c

Terms and Conditions

1. Bid prices shall remain **valid for the period of 90 days** after the last date for bid submission. However, the purchaser reserves the right to seek consent for an extension of the period of validity.
2. The Purchaser reserves the right to increase/decrease the quantity of goods, originally specified in the Schedule of Requirements.
3. SPAV may amend the Bid Conditions prior to the time fixed for receipt of the Tender.
4. **The tender should be addressed to**

The Registrar I/c,
School of Planning and Architecture-Vijayawada,
S.No. 71/1, NH-5, Nidamanuru, Vijayawada – 521 104, Andhra Pradesh
Email :registrar@spav.ac.in, asst.registrar1@spav.ac.in, it@spav.ac.in
Website :<http://spav.ac.in>

5. The supplier shall not be entitled to any increase in the rates
6. The agency shall not transfer or assign sub-contract to any other party.
7. **Corrections**, if any, must be **attested**. All amounts shall be indicated both in words as well as in figures. Where there is difference between the amount quoted in words and figures, amount quoted in words shall prevail.
8. The Price should be quoted only in Indian Rupees.

9. INSPECTION / INSTALLATION OF ITEMS / EQUIPMENTS

Supplies shall be accepted and work shall be certified as completed subject to satisfactory and complete installation (upto full potentials claimed for that respective equipment/ Item) of the equipment / items supplied including supply of all accessories, and certified by the assigned officer, and subsequent inspection by Registrar I/c, SPAV or his assigned representative. Any defect found in the materials / equipment / items supplied / work done will render the supplies / work open to rejection and decision of the Registrar I/c, SPAV, shall be final and legally binding. The tenderers shall have to take the same (rejected store) back at their own cost and risk, and shall replace such rejections with the items of standard specifications / quality as acceptable to the SPAV Authority. Alternatively, the stores may be purchased from others / work may be executed through others, at the risks and costs of the tenderer, at the discretion of the authority.

10. WARRANTY / GUARANTEE:

- a) All the equipments shall be carrying at least 1 (One) year warranty / guarantee against defects of manufacturer/workmanship and poor quality of components. Accordingly, the tenderers shall indicate clearly and exhaustively **the mandatory warranty / guarantee offered by them / by the manufacturing / supplying firms, its duration, as well as the various Terms & Conditions involved therein, at the time of submission of the Bid papers.**
- b) The tenderer must be able to provide after sales service for the equipments quoted at least for a period of two years. **A declaration to such effect must be accompanied with the offer, in the bid.**

Uptime guarantee: During the warranty/guarantee / AMC period the firm will maintain the equipment in good working condition. All the complaints will be attended by the firm within 24 hours of the dispatch of a complaint to their office. The firm shall ensure that machine is set right within 10 days (Ten Days) of the intimation. However, the tenderer have to arrange similar equipment as a standby at his cost and risk in case of breakdown.

- c) For the first one year, service provider is to mandatorily inspect and service the RO Plants with necessary consumables every 2 months (6 times a year) irrespective of any complaint raised by SPAV at free of cost. A letter to this effect to be submitted with bid.

11. CERTIFICATES TO BE SUBMITTED ALONGWITH THE BID

The following written guarantee / declaration must be provided exclusively without which the quotation shall be liable for rejection.

- a) The name, addresses, phone no, fax no, etc, of the authorised service centre in Vijayawada for each of the specific equipment / Article / item quoted.
- b) A declaration that the after sales service facilities as well as spare parts shall be made available at least for two years for each of the specific equipment / Article quoted.
- c) A declaration indicating willingness to provide AMC services at least for five years after the expiry of the warranty for each of the specific equipment quoted. Accordingly, the tenderer must quote prices for AMC, separately, for each year, for 2 years. The quotation for the cost of such AMC are to be furnished along with cost of the equipment in the Price Bid.
- d) For the first one year, service provider is to mandatorily inspect and service the RO Plants with necessary consumables every 2 months (6 times a year) irrespective of any complaint raised by SPAV at free of cost. A letter to this effect to be submitted with bid.
- e) The tenderer should furnish documentary evidence of previous work-order & completion certificate of at least similar capacity LPH R.O., which they executed in last 2 years. This is to be furnished along with bid.

12. Training

The Selected firm should impart training for operation of the equipment supplied, to at least 4(four) Manpower of the SPAV, free of cost, within 2(weeks) from satisfactory installation of the equipment.

13. DETAILS OF ITEMS QUOTED:

It is mandatory to indicate the full name, make / brand, model number, and details specification of the equipments quoted by them, (in addition, a brochure of product information may be attached along with). Tenderers also have to indicate clearly the Name, Address and all Contact numbers of the MANUFACTURING FIRM and the firm responsible for providing AFTER SALES SERVICES, of the equipment quoted by them.

14. Terms of Supply:

The firm should supply the items **within 15 days** from the date of purchase order.

15. **Prices quoted should be for FREE DELIVERY and INSTALLATION at SPAV, Vijayawada.**

- 16. The Director, SPAV reserves the right to reject any or all the quotations received without assigning any reason whatsoever.

Registrar I/c

R.O. Plant Specifications

“Reverse Osmosis System” of automatic 500 LPH including 1000 litre storage capacity and technical specifications mentioned below:

1. Pre-treatment having
 - a. Pressure sand filters to remove of suspended solids
 - b. Activated Carbon filter to remove colour and odour
 - c. Micron cartridge filter to remove fine solids upto 5 μ to prevent clogging of RO membrane
2. R.O.System
3. 1000 litres capacity stainless steel storage tank of grade SS 304 with wall thickness not less than 0.6 mm.

A. FILTER FEED PUMP

- a. Capacity : 2m³/hr
- b. Type : Centrifugal Monoblock
- c. Pressure : 3 kg/sqm
- d. Make : LEO

B. PRESSURE SAND FILTER

- a. Capacity : 2m³/hr
- b. MOC (Material of Construction) : FRP
- c. Size : 300 mm Dia X 1200 mm Ht
- d. Valves : Auto Multiport Valves
- e. Media : Pebbles, Silex, Fine Sand
- f. Make : Pentair or Equivalent

C. ACTIVE CARBON FILTER

- a. Capacity : 2m³/hr
- b. MOC (Material of Construction) : FRP
- c. Size : 300 mm Dia X 1200 mm Ht
- d. Valves : Auto Multiport Valves
- e. Media : Active Carbon Coconut Shull
- f. Make : Pentair or Equivalent

D. ANTISCALENT & DOSING SYSTEM

- a. Capacity : 0-5lph with manual adjustment
- b. Type : Electronic Diaphragm type
- c. Moc : PP
- d. Dosing Tank Volume : 100 litres
- e. Moc of tank : HDPE
- f. Make : I dose or Equivalent

E. MICRON CARTRIDGE FILTER

- a. Type : Jumbo
- b. Housing : AEP
- c. Filter Size : 5 micron
- d. Filter Type : Wound PP/Spun
- e. Qty : 02 No

F. HIGH PRESSURE PUMP

- a. Capacity : 4m³
- b. Type : Centrifugal Monoblock
- c. Pressure : 10-15 Kgs.
- d. Make : LEO
- e. MOC wetted : SS 304

G. RO BLOCK

- a. No. of housings : 1
- b. Size of housing : 40-80-1
- c. MOC : FRP
- d. No. of Membranes : 2
- e. Size : 4"
- f. Make : Hydranautics/Equivalent

H. RO SKID

- a. MOC : SS 304

I. CONTROL & INSTRUMENT PANEL

- a. MOC : SS 304
- b. TDS Meter : 1 no
 - i. Type: Digital (Byhand testing)
 - ii. Make: Aquapro
- c. Pressure Guages
 - i. Range: 0-21 kg/sqm
 - ii. Dial: 2"
 - iii. MOC: SS 304
 - iv. Type: Button and diaphragm with Glycerin filled case
- d. Flow Meters
 - i. Type: Roto meters
 - ii. Make: Astero/Equivalent
- e. Solenoid Valves
 - i. Size: 1"
 - ii. Make: aira

J. RAW WATER STORAGE TANK

- a. Size : 1000 litres
- b. Make : SINTEX RENO

K. PRODUCT WATER STORAGE TANK

- a. Size : 1000 litres
- b. Make : SS

L. ELECTRICAL WIRING

- a. Make : Finolex

M. PLUMBING

- a. Make : aster
- b. Size : 1"
- c. MOC : UPVC, PVC

Registrar I/c

Price Bid Format

S.No.	Item	Specification	Qty	Rate to be quoted	Taxes as applicable
1.	R.O. Plant for Water purification (Including supply, installation, testing, commissioning of R.O System of 500 LPH with 1000 ltr Storage Capacity, one year servicing, maintenance and warranty)	As specified in Annexure –II	Two Units		
2.	AMC charges after expiry of Warranty	(Specify if required)	Two units		

Signature of the Bidder

Name of the Firm/Bidder

Office Seal

UNDERTAKING

I/We undertake that I/We have carefully studied all the terms and conditions and understood the parameters of the proposed supplies of the SPAV and shall abide by them.

I/We also undertake that I/We have understood “Parameters and Technical Specifications for making the supplies” mentioned in Annexure I & II of the Tender dated _____ and shall make the supplies strictly as per these “Parameters and Technical Specifications for the supplies”.

I/We further undertake that the information given in this tender is true and correct in all respect and we hold the responsibility for the same.

(Signature of Tenderer with stamp of the firm)

Dated at